

FIG. 1A

gatattata aatcggatgg gatcgatggg ggcggccact ctgcctctgg gggatggcggc cccgttccggc tggggccggc tggggccggc tggggccggc 120
 AGCTCTGGG GGGCTCTGGT ATTTCCTGGG CTGGCTCTGGG GATCTGGGGT CCAGGGGGCC AGCTGGGGT GATCTGGGT GGGCTCTGGT GGGCTCTGGG
 S L C G U L U F L L L A G L P L Q A A K R f R D U L G H E D Y P D H H R E H H
GGATTTGGCT GCTGGCTGC AGGTGCTGAAAT GAAAGGGGATG AAGGGGTTA TCTCTGGG AGGGGGGGG AGGGGGGGG GGGGGGGG
 Q L R G H S S D E H E U O E Q L Y P U R A G E G A U K D S H E G G A U Q A A L
 AGGGGGGGT GGGGGGGT 160
 AGGGGGGGT GGGGGGGT
 T S O S P A L U G S H I T F U Y H L U F P R C D K E D A H G H I U Y E A H C A S
 GATTTGGGG TGGCTCTGG CCGCTATGG TACATCTGG CCGCTATGG AGCTGGGGG AGCTGGGGG AGCTGGGGG AGCTGGGGG
 D L E L A S O P Y U Y H W I T G A D D E D U E O H I S Q G Q H L A F P O G K P F
 GCTGGGGGG AGGGGGGG AGGGGGGG AGGGGGGG AGGGGGGG AGGGGGGG AGGGGGGG AGGGGGGG AGGGGGGG AGGGGGGG
 P R P H G A K K U H F U Y U F H I L G Q Y F Q K L G O C S A R U S I H I U H L T
 GTGGGGGGT AGGTGCTGG AGGTGCTGG AGGTGCTGG AGGTGCTGG AGGTGCTGG AGGTGCTGG AGGTGCTGG AGGTGCTGG 200
 U G P Q U H E U I U F A R H G A A Y I P I S K U K D U Y U I T O O I P I F U T H
 TACCGGAGGA ATGCGGAGGA CTCCTCTAT GAACTCTCC TCTCTCTAT GGGGGGGT GGGGGGGT GGGGGGGT GGGGGGGT
 V Q K H D R H S S D E I F L R O L P I F F O U L I H D P S H F L H V S A I S V K 240
 360
 400
 440
 480
 520
 560
 600
 640
 680
 720
 760
 800
 840
 880
 920
 960

FIG. 1A-1

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| EXON | BAC Start | BAC Stop | cDNA Start | cDNA Stop | Exon Length | |
|------|-----------|----------|------------|-----------|-------------|---|
| 1 | 83294 | 83455 | 1 | 162 | 162 | poly A signal is position 111614-111619 |
| 2 | 89834 | 89986 | 163 | 314 | 152 | |
| 3 | 90696 | 90839 | 315 | 458 | 144 | |
| 4 | 93419 | 93594 | 459 | 634 | 176 | translation start (ATG) is: |
| 5 | 96509 | 96665 | 635 | 791 | 157 | cDNA: 92 |
| 6 | 96983 | 97300 | 792 | 1109 | 318 | Gene: 83385 |
| 7 | 103044 | 103142 | 1110 | 1208 | 99 | |
| 8 | 104413 | 104515 | 1209 | 1311 | 103 | |
| 9 | 106494 | 106702 | 1312 | 1520 | 209 | |
| 10 | 110048 | 110141 | 1521 | 1614 | 94 | |
| 11 | 110592 | 111633 | 1615 | 2656 | 1042 | |

K-D

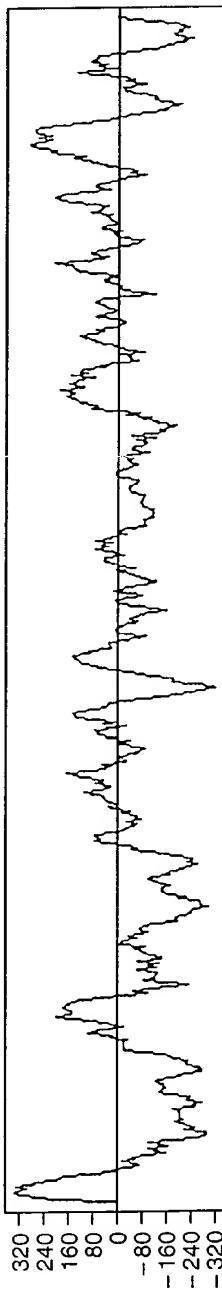
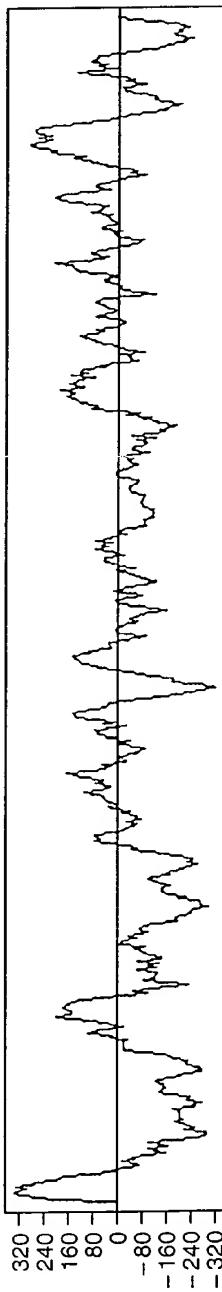


FIG. 1B

FIG. 1C



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FIG. 2A-1

FIG. 2A-2

FIG. 2A-3

FIG. 2A-4

FIG. 2A-5

FIG. 2A

| | | | | | | | | | |
|-------|------------|-------------|------------|-------------|------------|------------|------------|-------|-----|
| rat | ATGAAAAGTC | TCTGGGGGT | CCTGGTATT | CTGGGTCTGG | CTGAGGACT | GCCGGTCCAG | GCGGCCAAGC | GGTTC | 75 |
| mouse | ATGAAAAGTC | TCTGGGGGT | CCTGGGATT | CTGGGTCTGG | CTGAGGACT | GCCTCTCCAG | GCTGCCAAGC | GATT | 75 |
| human | ATGAAAAGTC | TCTACTATT | CCTGGGATT | CTGGGTCTGG | CTGCAAGATT | GCCACTGTAT | GCCCCAAAC | GATT | 75 |
| rat | CGTGATGTGC | TGGGCCATGA | GCAGTATCCG | GATCACATGA | GGGAGAACAA | CCAATTACGT | GGCTGGTCTT | CAGAT | 150 |
| mouse | CGTGATGTGC | TGGGCCATGA | ACAGTATCCC | GATCACATGA | GAGAGCACAA | CCAATTACGT | GGCTGGTCTT | CGGAT | 150 |
| human | CGTGATGTGC | TGGGCCATGA | AAGACCTCT | GCTTACATGA | GGGAGCACAA | TCAATTAAAT | GGCTGGTCTT | CTGAT | 150 |
| rat | GAATATGAAT | GGGATGAACA | GCTGTATCCA | GTGTGGAGGA | GGGGAGAGGG | CAGATGGAAG | GACTCTGGG | AGGAA | 225 |
| mouse | GAATATGAAT | GGGATGAACA | CCTGTATCCA | GTGTGGAGGA | GGGGAGAGGG | CAGGTGGAAG | GACTCTGGG | AGGAA | 225 |
| human | GAATATGAAT | GGAAATGAAA | ACTTACCCA | GTGTGGAAAGC | GGGGAGACAT | GAGGTGAAA | AACCTCTGGA | AGGGA | 225 |
| rat | GGCCGTGTGC | AGGAGGCCCT | AACCAAGTGA | TCACCGGGCCT | TGGGGGTCT | CAATATCACC | TTCGTAGTGA | ACCTG | 300 |
| mouse | GGCCGTGTGC | AGGCAGTCCCT | GACCAAGTGA | TCACCGGGCCT | TGGGGGTCT | CAATATCACT | TTCGTAGTGA | ACCTG | 300 |
| human | GGCCGTGTGC | AGGGGGTCT | GACCAAGTGA | TCACCAAGCCC | TGGGGGTCT | AAATATAACA | TTCGTAGTGA | ACCTG | 300 |

FIG. 2A-1

| | | | | | | | | | |
|-------|-------------|-------------|-------------|--------------|------------|-------------|---------------|-------|-----|
| rat | GTGTTCCCCA | GATGCCAGAA | GGAAAGATGCC | AACGGCAATA | TCGTCATGAA | GAGGAAGTGC | AGAAAGTGTGATT | TGGAG | 375 |
| mouse | GTGTTCCCCA | GATGCCAGAA | GGAAAGATGCC | AATGGCAATA | TCGTCATGAA | GAAGAACTGC | AGGAATGTGATT | TGGGA | 375 |
| human | ATATTCCCTA | GATGCCAAA | GGAAAGATGCC | AATGGCAACA | TAGTCATGAA | GAAGAACTGC | AGAAATGAGG | CTGGT | 375 |
| rat | CTGGCTCTG | ACCCGTATGT | CTACAACTGG | ACACAGGGG | CAGACGATGA | GGACTGGAA | GACAAACACCA | GCCAA | 450 |
| mouse | CTGACATCTG | ACCTGCATGT | CTACAACTGG | ACTGCAGGGG | CAGATGATGG | TGACTGGAA | GATGGCACCA | GCCGA | 450 |
| human | TTATCTGGCTG | ATCCCATATGT | TTACAACTGG | ACAGGATGGT | CAGAGGACAG | TGACGGGAA | ATATGGCACCG | GCCAA | 450 |
| rat | GGCCAGCACC | TCAAGTTCCC | CGACGGGAG | CCCTTCCCTC | GCCCCCAGG | ACGGAAAGAA | TGGAAACTTCG | TCTAC | 525 |
| mouse | AGCCAGCCTC | TCAAGTTCCC | GGACAGGAGG | CCCTTCCCTC | GCCCCCATGG | ATGGAAGAAA | TGGAGCTTTG | TCTAC | 525 |
| human | AGCCATCATTA | ACGTCTTCCC | TGATGGAAA | CCTTTTCCCTC | ACCAACCCGG | ATGGAGAAAGA | TGGAAATTCA | TCTAC | 525 |
| rat | GTCTTCCACA | CACTTGGTCA | GTATTTCAA | AAAGCTGGGTCA | AGTGTTCAGC | ACGGAGTTCT | ATAAAACACAG | TCAAC | 600 |
| mouse | GTCTTCCACA | CACTTGGCCA | GTATTTCAA | AAACTGGGTCA | GGTGTTCAGC | ACGGGTTCT | ATAAAACACAG | TCAAC | 600 |
| human | GTCTTCCACA | CACTTGGTCA | GTATTTCCAG | AAATTGGGAC | GATGTTCACT | GAGAGTTCT | GTGAAACACAG | CCAAT | 600 |
| rat | TTGACAGTTG | GCCCTCAAGGT | CATGGAAGTG | ATGTCCTTTC | GAAGACACGG | CCGGGCATAC | ATTCCCATCT | CCAAA | 675 |
| mouse | TTGACAGGTG | GCCCTCAAGGT | CATGGAAGTG | ACTGTCCTTTC | GAAGATAGG | CCGGGCATAC | ATTCCCATCT | CGAAG | 675 |
| human | GTGACACTTG | GGCCCTCAACT | CATGGAAGTG | ACTGTCCTACA | GAAGACATGG | ACGGGCATAT | GTTCGCATCG | CACAA | 675 |

FIG. 2A-2

| | | | | | | | | | | |
|-------|-------------|-------------|-------------|------------|-------------|------------|-------------|------------|-------|------|
| rat | GTGAAAGACG | TGTATGTGAT | AACAGATCAG | ATCCCTATAT | TGTTGACCAT | GTACCAAGAG | AATGACCGGA | ACTCG | 750 | |
| mouse | GTGAAAGATG | TGTATGTGAT | AACAGATCAG | ATCCCTGTAT | TGTTGACCAT | GTCCCCAGAG | AATGACCGGA | ACTTG | 750 | |
| human | GTGAAAGATG | TGTACGTGGT | AACAGATCAG | ATCCCTGTGT | TGTTGACTAT | GTTCAGAAG | AACGATCGAA | ATTCA | 750 | |
| rat | TCTGATGAAA | CCTTCCCTAG | AGACCTCCCC | ATTTCTTCG | ATGTCCTCAT | TCACGATCCC | AGTCATTTCC | TCAAAC | 825 | |
| mouse | TCTGATGAGA | CCTTCCCTAG | AGACCTCCCC | ATGCTCTCG | ATGTCCTCAT | TCATGATCCC | AGCCACTTCC | TCAAAC | 825 | |
| human | TCCGACGAAA | CCTTCCCTCAA | AGATCTCCCC | ATTATGTTG | ATGTCCTGAT | TCATGATCCC | AGCCACTTCC | TCAAAT | 825 | |
| rat | TACTCTGCCA | TTTCCTACAA | GTGGAACCTT | GGGGAAACAA | CTGGGAAACAA | TGTTCTGTT | TGTTCTCAAAC | AATCACACTT | TGAAT | 900 |
| mouse | GAATCTGCCA | TTTCCTACAA | GTGGAACCTT | GGGGAAACAA | CTGGGAAACAA | TGTTCTGTT | TGTTCTCAAAC | AATCACACTT | TGAAT | 900 |
| human | TATTCCTACCA | TAACTACAA | GTGGACCTTC | GGGGATAATA | CTGGGATAATA | TGTTCTGTT | TGTTCTCACC | AATCATACTG | TGAAT | 900 |
| rat | CACACGTATG | TGCTCAATGG | AACCTTCAAC | TTTAACCTCA | CGTGGAAAC | TGCAGTGGCG | GG----- | -ACCA | 966 | |
| mouse | CACACGTATG | TGCTCAATGG | AACCTTCAAC | TTTAACCTCA | CGTGGAAAC | TGCAGTGGCG | GG----- | -GCCA | 966 | |
| human | CACACGTATG | TGCTCAATGG | AACCTTCAAC | TTTAACCTCA | CGTGGAAAC | TGCAGTGGCG | GG----- | -GCCA | 975 | |
| rat | -TGCCTCC-T | CACCCACACC | TTCGGCTTCT | TCTTCGACTT | TCCTTTC | ----- | ----- | ----- | ----- | 1029 |
| mouse | -TGCCTCC-T | --CCC-- | TTCGGCTTCTG | ACTCCGCTT | CACCTTCAAC | TCCTTGCCTT | ----- | ----- | ----- | 1032 |
| human | CCGGCACACC | CACCCAGACC | TTC----- | ----- | ----- | ----- | ----- | ----- | ----- | 1004 |

FIG. 2A-3

| | | |
|-------|---|------|
| rat | ---CCACAT TATCAAACACC TAGTCCCTCT TTAATGGCTA CTGGCTACAA ATCCATGGAG CTGAGTGACA TTTC | 1101 |
| mouse | TTGCCACAT TATCAAACACC TAGCCCTCT TTAATGGCTA CTGGCTACAA ATCCATGGAG CTGAGTGACA TTTC | 1107 |
| human | -----CACC -----CCCTCT TTAGGACTG CTGGACTG CTGGTACAA CCCCTGGAG CTGAGTAGGA TTCC | 1059 |
| rat | AATGAAACT GCGGAATAAA CAGATAAGGT TACCTCAGAG CCACCATCAC AATTGTAGAT GGAATCCTAG AGTC | 1176 |
| mouse | AATGAAACT GCGGAATAAA CAGATAAGGC TACCTCAGAG CCACCATCAC AATTGTAGAG GGGATCCTGG AAGTC | 1182 |
| human | GATGAAACT GCGAGATTA CAGATAGGGC TACCTCAGAG CCACCATCAC AATTGTAGAG GGAATCCTAG AGTT | 1134 |
| rat | AAACATCATCC AGGTAGCAGA TGTCCTAACAT CCCACACTGC AGCCCTGACA CTCACATGATG GACTTCATTG TGACC | 1251 |
| mouse | AGCATCATGC AGATAGCAGA TGTCCTCATG CCCACACCGC AGCCCTGCCAA CTCCCTGATG GACTTCATG TGACC | 1257 |
| human | AAACATCATCC AGATGACAGA CGTCCGTATG CGGCTGCCAT GGCTGAAAG CTCCCTAATA GACTTCATG TGACC | 1209 |
| rat | TGCAAAGGGG CCACTCCAC GGAAGCTGT ACCATCATCT CTGACCCCCAC CTGCCCCAC GCCCAGAAC GGGTG | 1326 |
| mouse | TGCAAAGGGG CCACCCCCAT GGAAGCTGT ACCATCATCT CGGACCCCCAC CTGCCCCAC GCCCAGAAC GGGTC | 1332 |
| human | TGCCAAGGGG GCATCCCCAC GGAGGTCTGT ACCATCATTT CTGACCCCCAC CTGCGGAGATC ACCCAGAAC CAGTC | 1284 |
| rat | TGCAGCCCCGG TGGCTGTGGA TGAGCTGTGCG CTCCCTGTCCG TGAGGAGAGC CTTCATGGG TCCGGCACGT ACTGT | 1401 |
| mouse | TGCAGCCCCGT TGGCTGTGGA TGGCTGTGCG CTGCTGTCTG TGAGAAGAGC CTTCATGGG TCTGGCACCT ACTGT | 1407 |
| human | TGCAGCCCCGT TGGATGTGGA TGAGATGTGT CTGGCTGACTG TGAGACGAACT CGTCAATGGG TCTGGGACGT ACTGT | 1359 |

FIG. 2A-4

| | | | | | | | | | |
|-------|-------------|------------|-------------|-------------|------------|------------|--------------|--------|------|
| rat | GTGAATTCA | CTCTGGAGA | CGATGCAAGC | CTGGCCCTCA | CGAGGCCCT | GATCTCATC | CCTGGCAAAG | ACCTA | 1476 |
| mouse | GTGAATTCA | CTCTGGAGA | TGATGCAAGC | CTGGCCCTCA | CGAGGCCCT | GATCTCATC | CCTGGCAAAG | ACCCA | 1482 |
| human | GTGAACCTCA | CCCTGGGGGA | TGACACAAAGC | CTGGCTCTCA | CGAGCCCT | GATTTCTGTT | CCTGACAGAG | ACCCA | 1434 |
| rat | GGCTCCCCCTC | TGAGAACAGT | GAATGGTGT | CTGATCTCCA | TGGCTGCC | GGCCATGTT | GTCAACCATGG | TTACC | 1551 |
| mouse | GACTCCCCCTC | TGAGAGGAGT | GAATGGTGT | CTGATCTCCA | TGGCTGCC | GGCTGTGCTT | GTCAACCATGG | TTACC | 1557 |
| human | GCCTCGCCCT | TAAGGATGGC | AAACAGTGGC | CTGATCTGCC | TGGCTGCT | GGCCATATT | GTCACTGTGA | TTCTCC | 1509 |
| rat | ATCTTGTGT | ACAAAAAAC | CAAGACGTAC | AAGCCAAATAG | GAAACTGCC | CAGGAACGTG | GTCAAGGGCA | AAGGC | 1626 |
| mouse | ATCTTGTGT | ACAAAAAAC | CAAGGCATAC | AAGCCAAATAG | GAAACTGCC | CAGGAACACG | GTCAAGGGCA | AAGGC | 1632 |
| human | CTCTTGGGT | ACAAAAAAC | CAAGGAAATAC | AACCCAAATAG | AAAATAGTC | TGGGAATGTG | GTCAAGAACCA | AAGGC | 1584 |
| rat | CTGAGTGT | TTCTCAGCCA | TGCCAAAGCC | CCGTTCTCCC | GAGGAGACCG | GGAGAAGGAT | CCACTGCTCC | AGGAC | 1701 |
| mouse | CTGAGTGT | TCCTCAGTC | CGCGAAAGCC | CCGTTCTCCC | GAGGAGACCA | GGAGAAGGAT | CCATTTGCTCC | AGGAC | 1707 |
| human | CTGAGTGT | TTCTCAACCG | TGCCAAAGCC | GTGTTCTCCC | CGGGAAACCA | GGAAAAGGAT | CCGGCTRACTC- | --AA | 1655 |
| rat | AAGCCATGGA | TGCTCTAA | ----- | ----- | ----- | ----- | ----- | ----- | 1719 |
| mouse | AAGCCAAGGA | CACCTCTAA | ----- | ----- | ----- | ----- | ----- | ----- | 1725 |
| human | AAACCAAGAA | ---TTTAAAG | GAGTTCTTA | A | | | | | 1683 |

FIG. 2A-5

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| | | | | | | | |
|-------|-------------|-------------|-------------|-------------|------------|-----|-----------|
| rat | MESLCGVILVF | LILLAAGLPLQ | AAKRFRDVLG | HEQYPDHMRE | NNQLRGWSSD | 50 | FIG. 2B-1 |
| mouse | MESLCGVILGF | LILLAAGLPLQ | AAKRFRDVLG | HEQYPDHMRE | HNQLRGWSSD | 50 | |
| human | MECLYYFLGF | LILLAARLPLD | AAKRFHDVLG | NERPSAYMRE | HNQLNGWSSD | 50 | |
| rat | ENEDEQLYP | VWRRGEGRWK | DSWEGGRVQA | ALTSDSPALV | GSNITFVVNL | 100 | FIG. 2B |
| mouse | ENEDEHLYP | VWRRGGDGRWK | DSWEGGRVQA | VLTSDSPALV | GSNITFVVNL | 100 | |
| human | ENDWNEKLYP | VWKRGDMRWK | NSWKGGGRVQA | VLTSDSPALV | GSNITFVN | 100 | |
| rat | VFPRCQKEDA | GNIVYERN | RSDELELASDP | YVYNWTTGAD | DEDWEDNTSQ | 150 | |
| mouse | VFPRCQKEDA | GNIVYEKNC | RNDLGLTSDL | HVYNWTTAGAD | DGDWEDGTSR | 150 | |
| human | IFPRCQKEDA | GNIVYEKNC | RNEAGLSADP | YVYNWTTAWSE | DSDGENGTGQ | 150 | |
| rat | GQHLRFPDGK | PFPRPHGRKK | WNFVYVFHTL | GQYFQKLGQC | SARVSINTVN | 200 | |
| mouse | SQHLRFPDRR | PFPRPHGWKK | WSFVYVFHTL | GQYFQKLGRC | SARVSINTVN | 200 | |
| human | SHHNVPFDGK | PFPHHPGWRR | WNFVYVFHTL | GQYFQKLGRC | SVRVSVNTAN | 200 | |
| rat | LTVGPQVMEV | IVERRHGRAY | IPISKVKDYY | VITDQIPIFV | TMYQKNDRNS | 250 | |
| mouse | LTAGPQVMEV | TVFRRYGRAY | IPISKVKDYY | VITDQIPIFV | TMSQKNDRNL | 250 | |
| human | VTLGQPQLMEV | TVYRRHGRAY | VPIAQVKDYY | VVTDQIPIFV | TMFQKNDRNS | 250 | |
| rat | SDETFLRDLP | IFFDVLIHDP | SHFLNYSAILS | YKWNFGDNTG | LFVSNHHTLN | 300 | |
| mouse | SDEIFLRDLP | IVEDVLIHDP | SHFLNDSAIS | YKWNEGDNTG | LFVSNHHTLN | 300 | |
| human | SDETFLKDL | IMFDVLIHDP | SHFLNYSTIN | YKWSFGDNTG | LFVSTNHTVN | 300 | |

FIG. 2B-1

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| | | | | | | |
|-------|------------|------------|------------|------------|------------|-----|
| rat | HTYVLNGTFN | FNLTVQTAVP | GPCPSPTPS- | -PSSSTSPSP | ASSPSPTLST | 348 |
| mouse | HTYVLNGTFN | LNLTVQTAVP | GPCPPPSPT | PPSPSTPLP | SPSPLPTLST | 350 |
| human | HTYVLNGTFS | LNLTVRAAAP | GPCPPPPP-- | -----PPRP | -----SK | 334 |

| | | | | | | |
|-------|------------|------------|------------|------------|------------|-----|
| rat | PSPSLMPTGY | KSMELSDISN | ENCRINRYGY | FRATITIVGY | ILEVNIQVA | 398 |
| mouse | PSPSLMPTGY | KSMELSDISN | ENCRINRYGY | FRATITIVGY | ILEVSIMQIA | 400 |
| human | PTPSLGPGAD | NPLELSRIPD | ENQINRYGH | FQATITIVEG | ILEVNIQMT | 384 |

| | | | | | | |
|-------|------------|-------------|------------|------------|------------|-----|
| rat | DVPIPTLQPD | NSLMDFTIVTC | KGATPTEACT | IISDPTCQIA | QNRVCSPVAV | 448 |
| mouse | DVPMPTQPQA | NSLMDFTVTC | KGATPMEACT | IISDPTCQIA | QNRVCSPVAV | 450 |
| human | DVLMPVPWPE | SSLIDFWVTC | QGSIPTEVCT | IISDPTCEIT | QNTVCSVPDV | 434 |

| | | | | | | |
|-------|------------|------------|------------|------------|------------|-----|
| rat | DELCLLSVRR | AFNGSGTYCV | NFTLGGDASL | ALTSALISIP | GKDLGSPLRT | 498 |
| mouse | DGLCLLSVRR | AFNGSGTYCV | NFTLGGDASL | ALTSTLISIP | GKDPSPLRA | 500 |
| human | DEMCLITVRR | TFNGSGTYCV | NLTGDDTSL | ALTSTLISVP | DRDPASPLRM | 484 |

| | | | | | | |
|-------|------------|-------------|-------------|------------|-------------|-----|
| rat | VNGVLISIGC | LAMEVTMVTI | LLYKKHKTYK | PIGNCTRNVV | KGKGGLSVFLS | 548 |
| mouse | VNGVLISIGC | LAVLVTMVTI | LLYKKHKAYK | PIGNCPRNTV | KGKGGLSVLLS | 550 |
| human | ANSALISVGC | LAI FVTVISL | LVYKKHKKEYN | PIENSPGNVV | RSKGGLSVFLN | 534 |

| | | | | |
|-------|------------|------------|--------|-----|
| rat | HAKAPFSGD | REKDPLLQDK | PW--ML | 572 |
| mouse | HAKAPFFRGD | QEKDPLLQDK | PR--TL | 574 |
| human | RAKAVFFPGN | QEKDPLLKNQ | EFKGVS | 560 |

FIG. 2B-2

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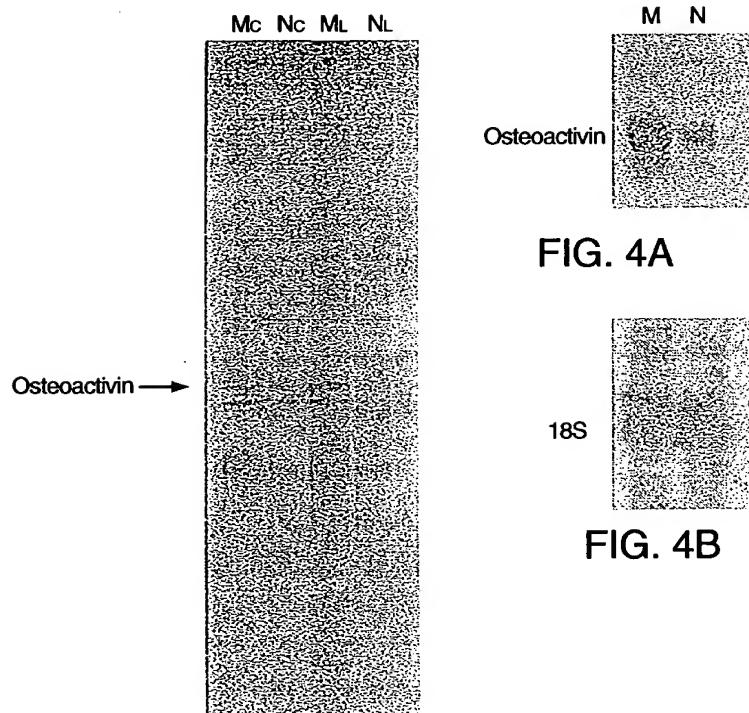


FIG. 3

FIG. 4A



FIG. 4B

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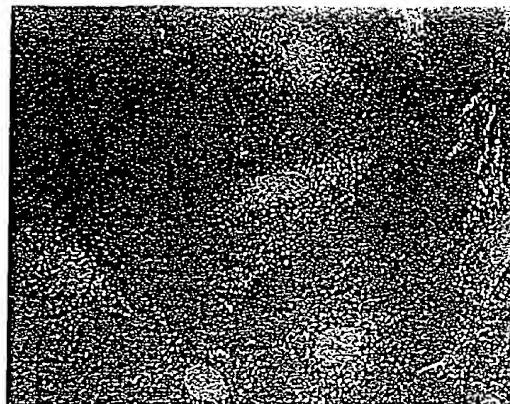


FIG. 5



FIG. 5A



FIG. 5B

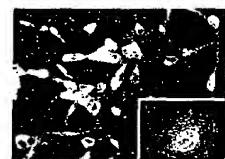


FIG. 5C

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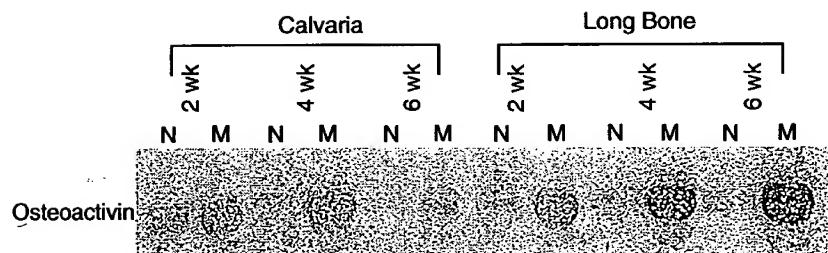


FIG. 6

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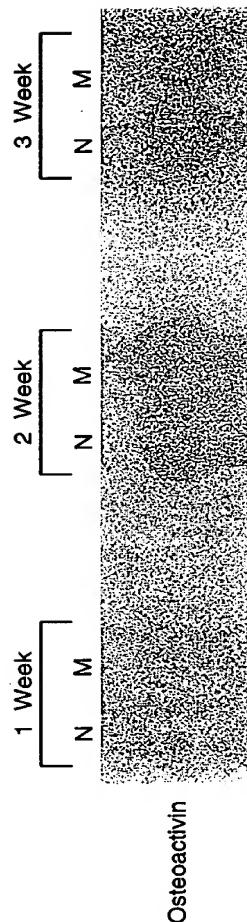


FIG. 7A

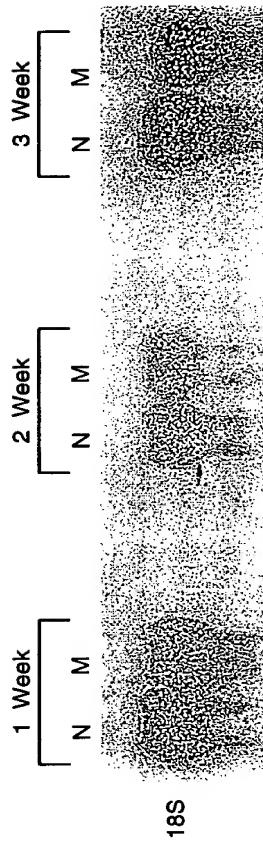


FIG. 7B

09943075 .041002

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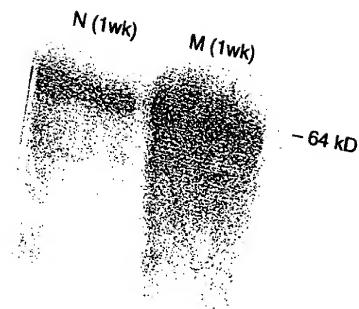


FIG. 8

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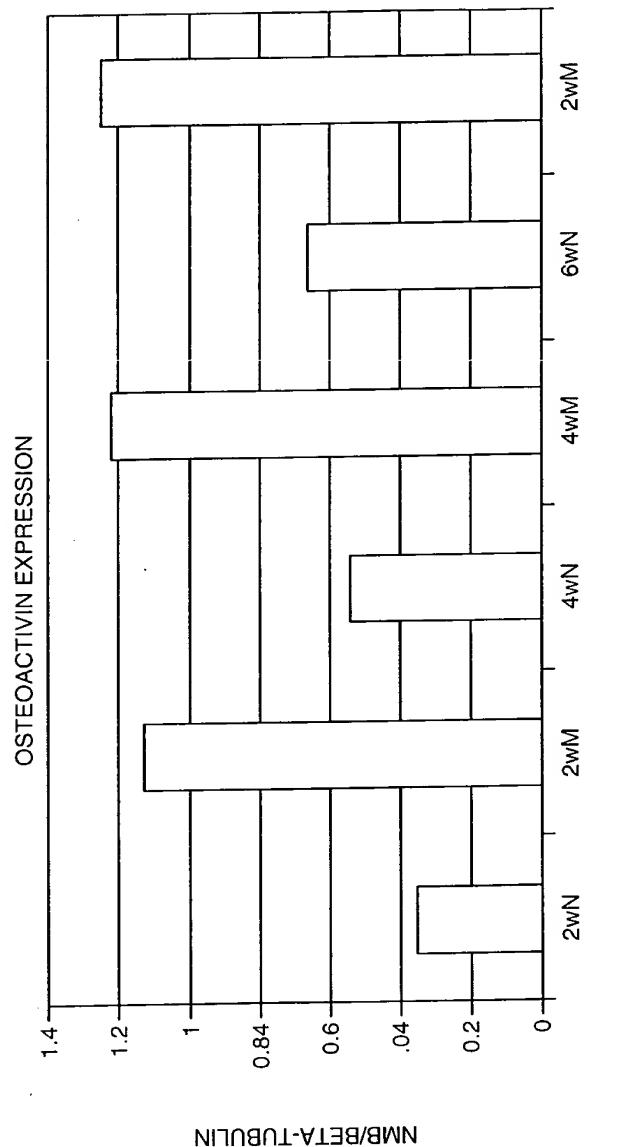


FIG. 9

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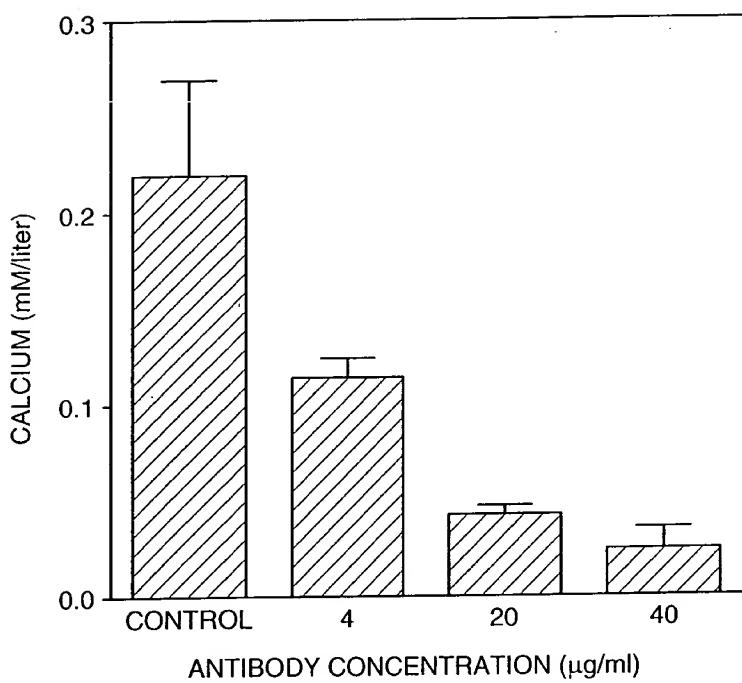


FIG. 10